BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE

Name of work: Estimate for Construction of 1st Floor Samudaya Bhavana Building at Hegdenagara (Near Dry Waste Collection Centre) in Ward No. 06, Byatarayanapura Sub

Estimate Cost Rs. 5000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (Page No .6 / Item No. 2.10) PWD SR 2015-16	Cum	1	55.00	16.00	1.50	**1320.00**	127.20	**167904.00**
	Basic Rate	120.00							
	Area Weightage @ 6%	7.20							
	Total	**127.20**							
2	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 Page No. 32 / Item No. 6.17 / PWD SR 2015-16	Cum							
			2	24.00	0.23	4.30	47.47		
			3	16.00	0.23	4.30	47.47		
							94.94		
	Windows		6	1.50	0.23	1.20	2.48		
	Main Doors		1	2.10	0.23	1.80	0.87		
							3.35		
							91.59	6830.64	**625622.00**
	Basic Rate	6444.00							
	Area Weightage @ 6%	386.64							
	Total	**6830.64**							
3	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 19 / Item No. 4.48.1/ PWD SR 2015-16	Cum							
	For Roof		1	24.00	16.00	0.15	57.60		
							57.60	6214.78	**357971.00**
	Basic Rate	5863.00							
	Area Weightage @ 6%	351.78							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	6214.78							
4	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.3/ PWD SR 2014-15	Qtl							
	0.125Ton/Cum		0.125	57.60			7.20	58229.25	419251.00
	Basic Rate	54933.25							
	Area Weightage @ 6%	3296.00							
	Total	58229.25							
	KSRB 14.10.1 : Flooring with 25mm to 40mm thick polished tandur blue stone slabs using mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Page No. 109/ Item No. 14.15 / PWD SR 2015-16	Sqm							
	Flooring		1	24.00	16.00		384.00		
	Passage		1	16.00	4.00		64.00		
							448.00	1129.96	506222.00
	Basic Rate	1066.00							
	Area Weightage @ 6%	63.96							
	Total	1129.96							
5	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 123 / Item No. 15.21 / PWD SR -2015-16	Sqm							
	1st Floor		1	24.00	16.00		384.00		
	Staircase		1	8.00	4.00		32.00		
							416.00	193.98	80696.00
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	193.98							
6	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 123 / Item No. 15.19 / PWD SR 2015-16 (Inside wall)	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Inside wall Hall		2	24.00	4.30		206.40		
			2	16.00	4.30		137.60		
	Rooms		8	5.50	4.30		189.20		
	Toilet		4	4.50	3.50		63.00		
	Staircase Room		2	5.50	4.30		47.30		
			3	5.50	4.60		75.90		
	Coloumns		8	4.30	1.66		57.10		
							776.50	235.32	**182727.00**
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	**235.32**							
7	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P. 124 / I. 15.33 PWD SR - 2015-16	Sqm							
			Qty Vide Item No. 14+15				**1192.50**	25.44	**30337.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
8	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 123 / Item No. 15.17 / PWD SR 2015-16 (Out side Wall)	Sqm							
	Out Side		2	24.00	6.50		312.00		
			2	16.00	6.50		208.00		
	Compound Wall		4	46.00	2.23		410.32		
			4	19.00	2.23		169.48		
	For Elevations		4	11.60	4.00		185.60		
			3	15.00	1.00		45.00		
	windows		19	6.60	0.30		37.62		
	Bottoms		20	1.20	0.60		14.40		
							1382.42	260.76	**360480.00**
	Basic Rate	246.00							
	Area Weightage @ 6%	14.76							
	Total	**260.76**							
9	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications Do 0 to 5 mtrs Specification No. KBS 4.6.2 (P.16 / I.4.29.2) PWD SR 2015-16	Sqm							
	Roof		1	24.00	16.00		384.00		
	Roof Beams		6	24.00	0.45		64.80		
			2	24.00	0.60		28.80		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			10	16.00	0.45		72.00		
			2	16.00	0.60		19.20		
	Projection		4	3.00	0.30		3.60		
			2	16.00	0.30		9.60		
	2nd Floor Tank Room		4	12.00	0.10		4.80		
			1	3.00	3.00		9.00		
	Top Stair Case room		1	5.50	4.00		22.00		
			8	5.50	0.45		19.80		
							637.60	572.40	**364962.00**
	Basic Rate	540.00							
	Area Weightage @ 6%	32.40							
	Total	**572.40**							
10	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17 / Item No. 4.37/ PWD SR 2015-16	Sqm							
	W		14	2.15	0.25		7.53		
							7.53	278.78	**2098.00**
	Basic Rate	263.00							
	Area Weightage @ 6%	15.78							
	Total	**278.78**							
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 Page No. 16/ Item No. 4.28 / PWD SR 2015-16	Sqm							
	Column		24	5.50		1.66	219.12		
			4	3.50		1.66	23.24		
	Lintel Beem		4	24.00		0.23	22.08		
			8	16.00		0.23	29.44		
			6	5.50		0.23	7.59		
			28	2.00		0.20	11.20		
	Steps		24	1.60		0.30	11.52		
	Bottom		1	12.00		1.60	19.20		
	Sides		1	12.00		0.45	5.40		
	Chajjas		16	2.10		0.23	7.73		
			16	2.00		0.15	4.80		
			32	0.30		0.15	1.44		
	Inner Chajjas		4	5.50		0.60	13.20		
	Sides		4	5.50		0.15	3.30		
			4	0.60		0.15	0.36		
							379.62	239.56	**90941.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. Page No. 45 / Item No. 7.26 / PWD SR								
		Sqm							
	Front Door		1	1.80		2.30	4.14		
	Staircase Room Doors and Tank Room		2	0.90		2.10	3.78		
							7.92	3710.00	**29383.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							
13	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with								
		Sqm							
	W		14	1.80		1.50	37.80		
	V		6	1.20		0.90	6.48		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							44.28	3945.32	174699.00
	Basic Rate	3722.00							
	Area Weightage @ 6%	223.32							
	Total	**3945.32**							
14	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge Page No. 63 / Item No. 9.84 / PWD SR 2015-16 SOLID PVC DOOR FRAME	Sqm							
	Door		4	0.75		2.10	**6.30**		
							6.30	552.26	**3479.00**
	Basic Rate	521.00							
	Area Weightage @ 6%	31.26							
	Total	**552.26**							
15	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges Page No. 63 / Item No. 9.83 / PWD 2015-16	Sqm							
	Door		4	0.75		2.10	6.30		
							6.30	3365.50	**21203.00**
	Basic Rate	3175.00							
	Area Weightage @ 6%	190.50							
	Total	**3365.50**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Providing and fixing M.S Gril over existing compound wall as per chief Architect drawing No. 12686, Using 16mm X16mm M.S Sqquare rod at 150mm c/c spacing and 6mmX40mm M.S foats at horizontal and 6mm X12mm M.S flote for ornamental design and providing shop edge design at the vertex of every vertical roads, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, etc., complete as per specification and drawing Page No.47 / I No. 7.36/ PWD SR 2015-16	Sqm							
	For Entrance Gate		2	2.30		1.80	8.28		
							8.28	5789.72	**47939.00**
	Basic Rate	5462.00							
	Area Weightage @ 6%	327.72							
	Total	**5789.72**							
17	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S. flats and square rods as per approved design, drawning including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 PWD SR 2015-16 (P.37 / I.7.9)	Kgs							
	For Windows		14	1.80		1.50	37.80		
	For Ventilator		2	1.80		0.60	2.16		
			4	2.00		2.00	16.00		
			5	0.30		0.30	0.45		
							56.41		
	Weight /Sqm = 21 Kgs i.e 10.17 x 21= 213.57 Kgs		21	56.41			**1184.61**	90.10	**106733.00**
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
18	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications PWD SR 2015-16 Page No. 124 / Item No. 15.49.1	Sqm							
	Inside			Qty Vide Item No.16			1192.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							1192.50	69.96	83428.00
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
19	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications PWD SR 2015-16 (P.127 / I.15.53.2) with Primer	Cum							
	Out Side			Qty Vide Item No.17			1382.42		
							1382.42	83.74	**115764.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							
20	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. Page No. 115 / Item No. 14.41.2 / PWD SR 2015-16	Sqm							
	Kitchen		1	15.50	0.90		13.95		
			1	14.00	2.20		30.80		
	Wash Room		1	11.30	2.20		24.86		
			8	0.90	0.90		6.48		
			1	11.30	0.60		6.78		
	Toilet		3	2.60	2.20		17.16		
	Toilet Front		3	1.00	2.20		6.60		
							106.63	1504.14	**160386.00**
	Basic Rate	1419.00							
	Area Weightage @ 6%	85.14							
	Total	**1504.14**							
21	KSRB 14.18.1: Providing skirting, dado, rises of steps with marble slabs not exceeding 30 cms. height on 10 cms. thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using marble slab of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.19. Page No. 114/ Item No. 14.42 / PWD SR 2015-16	**Sqm**							
	Steps		48	1.80	0.30		25.92	3319.92	**86052.00**
	Basic Rate	3132.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	187.92							
	Total	**3319.92**							
22	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. Page No. 52/ Item No. 8.18 / PWD SR 2015-16	m							
			20	4.00			**80.00**	451.56	**36125.00**
	Basic Rate	426.00							
	Area Weightage @ 6%	25.56							
	Total	**451.56**							
	SANITARY Works								
23	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 Specification No. KBS 11 Page No. 79 / Item No. 12.5 PWD SR 2015-16	Each							
			3				3		
							3	5279.86	**15840.00**
	Basic Rate	4981.00							
	Area Weightage @ 6%	298.86							
	Total	**5279.86**							
24	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure 32mm outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/(Page No.100 / Item No. 13.68 PWD SR 2015-16	Rmtr							
			1	200.00			**200.00**	193.98	**38796.00**
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
25	KSRB 13-1.4 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm dia nominal bore with fittings (medium grade weight 3.23 kg/mtr) Page No. 94 / Item No. 13.4 / PWD SR 2015-16	m	1	100.00			**100.00**	366.76	**36676.00**
	Basic Rate	346.00							
	Area Weightage @ 6%	20.76							
	Total	**366.76**							
26	KSRB 13-6.3.5: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 Page No. 98 / Item No. 13.35 / PWD SR 2015-16	Each	1	7.00			**7.00**	1007.00	**7049.00**
	Basic Rate	950.00							
	Area Weightage @ 6%	57.00							
	Total	**1007.00**							
27	KSRB 13-6.6.1: Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Page No. 100 / Item No. 13.60 / PWD SR 2015-16	Set	1	15.00			**15.00**	890.40	**13356.00**
	Basic Rate	840.00							
	Area Weightage @ 6%	50.40							
	Total	**890.40**							
28	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, Page No. 96 / Item No. 13.24 / PWD SR 2015-16	Each	20				20	192.44	**3849.00**
	Basic Rate	241.00							
	Area Weightage @ 6%	14.46							
	Total	**255.46**							
29	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, No. 273 / Item No. 37.58 PWD SR 2015-16	L	1	2000			**2000**	6.36	**12720.00**
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
				ELECTRICAL AND FITTINGS					
30	**Groove Cutting** : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **KPWD SR 2010-11 (P-2,I-3) 19/20 mm dia 2mm thick**	Mtrs							
			1	250.00			**250.00**	43.00	**10750.00**
			1	175.00			**175.00**	53.00	**9275.00**
	25 mm dia 2mm thick								
31	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. **KPWD SR 2010-11 (P-3, I-6) 10"X7"X3" (300X228X76mm)**	Each							
			8				8	68.00	**544.00**
			8				8	52.00	**416.00**
	8"X6"X3" (300X228X76mm)								
32	Supplying and fixing PVC/metal conduit accessories special type Junction Box **(I. 5/P. 3) KPWD SR 2010-11 32 mm Junction Box**	Each							
			35				35	29.00	**1015.00**
			50				50	33.00	**1650.00**
	Deep 32 mm Junction Box		30				30	57.00	**1710.00**
	Fan Box 18 /SWG								
33	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **KPWD SR 2010-11 (P.3/I.8) Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch**	Each							
			10				**10.00**	175.00	**1750.00**
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		25				**25.00**	260.00	**6500.00**
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		35				**35.00**	368.00	**12880.00**
34	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 1-3 Way **KPWD SR 2010-11 (P.8/I.18)**	Each							
			20				20	90.00	**1800.00**
	4-5Way		6				6	100.00	**600.00**
	6Way		15				15	175.00	**2625.00**
	8 Way		10				10	195.00	**1950.00**
	10-12Way		10				10	210.00	**2100.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
35	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD (P-7, I-17) 2010-11 1 to 3 Modular**	Each							
			20				20	82.00	**1640.00**
	4 Modular		10				10	100.00	**1000.00**
	6 Modular		15				15	125.00	**1875.00**
	8 Modular		8				8	175.00	**1400.00**
	12 Modular		10				10	230.00	**2300.00**
36	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18) 6Amps one way.**	Each							
			105				105	96.00	**10080.00**
	6Amps 3way Socket.		40				40	165.00	**6600.00**
	Stepped Fan Regulator		15				15	530.00	**7950.00**
	16 Amps one way switch		15				15	132.00	**1980.00**
	6Amps Bell push		3				3	115.00	**345.00**
	6/16 Amps univesla Socket		15				15	205.00	**3075.00**
	TV / Telephone Socket		8				8	115.00	**920.00**
	Rj45/IO Oulet		8				8	525.00	**4200.00**
37	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **P-9, i-20 KPWD SR 2010-11 1.5 Sqmm**	Mtrs							
			150				150	150.00	**22500.00**
	2.5 Sqmm		1900				1900	25.00	**47500.00**
	4 Sqmm		1900				1900	32.00	**60800.00**
	6 Sqmm		750				750	52.00	**39000.00**
38	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			25				25	60.00	**1500.00**
39	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws **KPWD SR 2010-11 (P-10, I-26) 8mm**	No							
			15				15	6.48	97.00
40	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws **KPWD SR 2010-11 (P-11, I-29)**	Sqcm							
			5000				5000	0.22	**1100.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
41	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **KPWD SR 2010-11 (P.16/I.2) Group 'A'**	Each	30				30	675.00	**20250.00**
42	Supplying of Incandescent lamps KPWD SR **2010-11 (P.44/I.22) B.C. 100Watts**		15				15	14.00	**210.00**
43	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **(p.23 / I.23 .II) KPWD SR 2010-11 Regular Model**	Each	15				15	1800.00	**27000.00**
44	Supplying wall mounting fan suitable to operat		8				8	2400.00	**19200.00**
45	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD SR 2010-11 (P-7, I-17) 1 to 3 Modular**	Each	8				8	82.00	**656.00**
	8 Modular		16				16	175.00	**2800.00**
46	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18) 6Amps one way.	Each	8				8	96.00	**768.00**
	6Amps 3way Socket.		6				6	165.00	**990.00**
47	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box **KPWD SR 2010-11 (P.9/I.19) Group A**	Each	3				3	630.00	**1890.00**
48	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No	3				3	60.00	**180.00**
49	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required **5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)**	Each							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			3				3	560.00	1680.00
50	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc **KPWD SR 2010-11 (P,32/I.2) 20"x20"x2.5"**								
			3				3	285.00	855.00
51	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete **KPWD SR 2010-11 (P.30/I.3) 32 Amps**								
			2				2	100.00	200.00
52	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	Mtr							
			1	80.00			80.00	215.00	17200.00
53	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	Mtr							
			1	80.00			80.00	11.00	880.00
54	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11 For Cutting Road Surface**	Mtr							
			1	50.00			50.00	40.00	2000.00
			1	20.00			20.00	60.00	1200.00
55	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11 40mm dia GI pipe**	Mtr							
			1	10.00			10.00	240.00	2400.00
56	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11 16Sqmm**	No.							
			1				1.00	286.00	286.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
57	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**	No	2				2	3000.00	6000.00
58	Supplying and drawing UTP-CAT -E LAN calve (49/31)	Nos	230				230	35.00	8050.00
59	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control)	LRQ	1				1.00	18000.00	18000.00
60	Sub Total								4586810.00
61	Add 8% KRIDL Charges+								366945.00
62	Add 1% Third party Inspection Charges								45868.00
63	Miscesalaneous Charges								377.00
								Total	5000000.00

#NAME?

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 & KPWD 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 lacs

Rupees fifty lacs only

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
8/9/16.

Under P-3111

Registered as EE ( ) No 3....9....

Subject to conditions contained in enclosed memo EE ( ) No /9/...

Dt Estimate A/Sanctioned

Jc(4) pal/AE/16/16-17

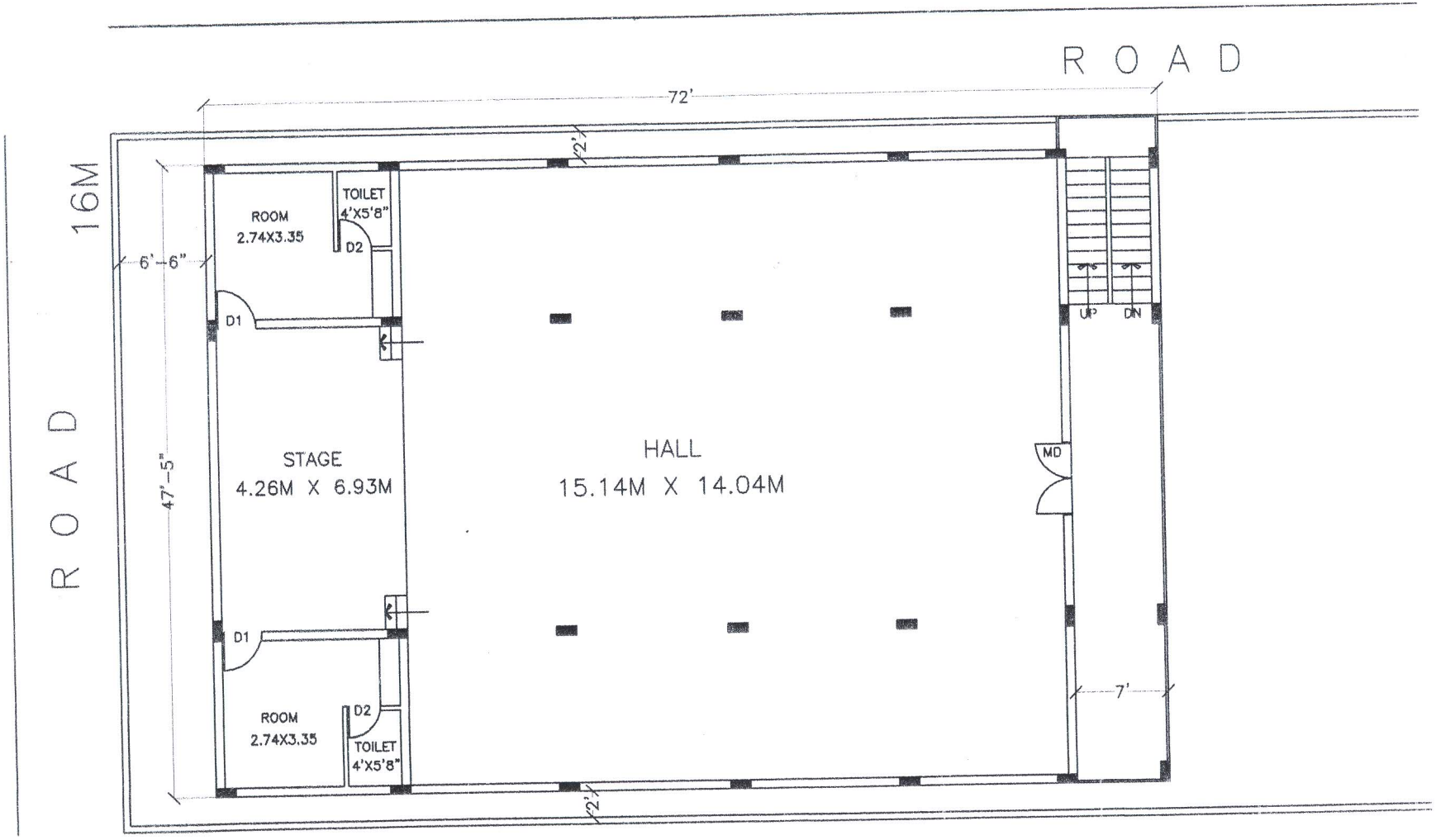
dated 23-11-2016 Rs 50.00 lacs

Technical Sanction
Accorded For 50.00 lakh Rs.
Head of A/C P-3111
CER NO : 96 Dt: 05/01/17

TA CE (YNK).

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Construction of I st Floor Samudaya Bhavana Building At Heggenagara (Near Dry Waste collection center) in ward no. 06 Byatarayanapura Sub Division.



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

FIRST FLOOR PLAN